

Title (en)
Smoke detecting apparatus for fire alarm

Title (de)
Rauchdetektierungsvorrichtung für Feueralarm

Title (fr)
Dispositif détecteur de fumée pour alarme d'incendie

Publication
EP 0577045 B1 19970910 (EN)

Application
EP 93110284 A 19930628

Priority
• JP 19473092 A 19920629
• JP 19650692 A 19920630

Abstract (en)
[origin: EP0577045A1] A smoke detecting apparatus comprises: a lamp (10); a light receiving element (20) for receiving light from the lamp (10); a smoke detecting circuit (1) for detecting the smoke density in accordance with the signal output from the light receiving element (20). The apparatus further comprises: a light emission failure detector (20, 50, 60) for detecting a light emission failure in which the lamp (10) fails to emit light in response to a light emission instruction from the smoke detecting circuit (1); a counter for counting light emission failures; and a memory (63) for storing the number of light emission failures. The apparatus may further comprise a warning unit (72, 73) which, when the number of failures becomes a predetermined value or more, warns that the lamp (10) will soon be exhausted. Thus, the unit enables a maintenance person to replace the lamp (10) without fail before it is exhausted. <IMAGE>

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CPC (source: EP US)
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